



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicants:** Paul J. Dominowski, et al.

**Examiner:** Unassigned

**Serial No.:** 10/767,809

**Art Unit:** Unassigned

**Filed:** January 29, 2004

**Docket:** 16112 (PC25496)

**For:** CANINE VACCINES AGAINST  
BORDETELLA BRONCHISEPTICA

**Dated:** April 23, 2004

**Confirmation No.:** 6275

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

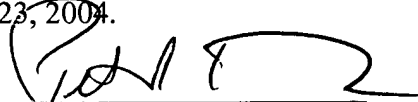
1. R.D. Shahin, et al., "Characterization of the Protective Capacity and Immunogenicity of the 69-kD Outer Membrane Protein of *Bordetella Pertussis*", The Journal of Experimental Medicine, Vol. 171, pp. 63-73, (1990);
2. P. Novotny, et al., "Biologic and Protective Properties of the 69-kDa Outer Membrane Protein of *Bordetella Pertussis*: A Novel Formulation for an Acellular Pertussis Vaccine", The Journal of Infectious Diseases, Vol. 164, pp. 114-122, (1991);

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on April 23, 2004.

Dated: April 23, 2004

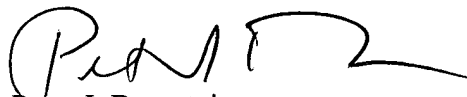
  
Peter I. Bernstein

3. Q. He, et al., "Protective Role of Immunoglobulin G Antibodies to Filamentous Hemagglutinin and Pertactin of *Bordetella Pertussis* in *Bordetella Parapertussis* Infection", Eur. J. Clin. Microbiol. Infect. Dis., Vol. 15, No. 10, pp. 793-798, (1996);
4. M. Kobisch, et al., "Identification of a 68-Kilodalton Outer Membrane Protein as the Major Protective Antigen of *Bordetella Bronchiseptica* by Using Specific-Pathogen-Free Piglets", Infection and Immunity, Vol. 58, No. 2, pp. 352-357, (1990);
5. J.A. Montaraz, et al., "Identification of a 68-Kilodalton Protective Protein Antigen from *Bordetella Bronchiseptica*", Infection and Immunity, Vol. 47, No. 3, pp. 744-751, (1985);
6. C.G. Mackintosh, et al., "The Use of a *Hardjo-Pomona* Vaccine to Prevent Leptospirosis in Cattle Exposed to Natural Challenge with *Leptospira Interrogans* Serovar *Hardjo*", New Zealand Veterinary Journal, Vol. 28, pp. 174-177;
7. C.A. Bolin, DVM, PhD, et al., "Effect of Vaccination with a Pentavalent Leptospiral Vaccine on *Leptospira Interrogans* Serovar *Hardjo* Type *Hardjo-Bovis* Infection of Pregnant Cattle", Am. J. Vet. Res., Vol. 50, No. 1, pp. 161-165, (1989);
8. International Publication No. WO 92/17587, dated October 15, 1992;
9. United States Patent No. 4,567,042, dated January 28, 1986, issued to Acree, et al.;
10. United States Patent No. 4,567,043, dated January 28, 1986, issued to Acree, et al.; and
11. United States Patent No. 4,824,785, dated April 25, 1989, issued to Acree, et al.

Applicants are submitting copies of the above-cited references.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,



Peter I. Bernstein  
Registration No. 43,497

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(REV. 7-80) PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE CITATION***(Use several sheets if necessary)***Atty. Docket No. (Optional)**

16112 (PC25496)

**Application Number**

10/767,809

**Applicant(s)**

Paul J. Dominowski, et al.

**Filing Date**

January 29, 2004

**Group Art Unit**

Unassigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	1.	4,567,042	1/28/86	Acree, et al.			
	2.	4,567,043	1/28/86	Acree, et al.			
	3.	4,824,785	4/25/89	Acree, et al.			

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	4.	WO 92/17587	10/15/92	PCT				

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

5.	R.D. Shahin, et al., "Characterization of the Protective Capacity and Immunogenicity of the 69-kD Outer Membrane Protein of <i>Bordetella Pertussis</i> ", <u>The Journal of Experimental Medicine</u> , Vol. 171, pp. 63-73, (1990)
6.	P. Novotny, et al., "Biologic and Protective Properties of the 69-kDa Outer Membrane Protein of <i>Bordetella Pertussis</i> : A Novel Formulation for an Acellular Pertussis Vaccine", <u>The Journal of Infectious Diseases</u> , Vol. 164, pp. 114-122, (1991)
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**EXAMINER****DATE CONSIDERED**

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(REV. 7-80) PATENT AND TRADEMARK OFFICE

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						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

8.	M. Kobisch, et al., "Identification of a 68-Kilodalton Outer Membrane Protein as the Major Protective Antigen of <i>Bordetella Bronchiseptica</i> by Using Specific-Pathogen-Free Piglets", <u>Infection and Immunity</u> , Vol. 58, No. 2, pp. 352-357, (1990)
9.	J.A. Montaraz, et al., "Identification of a 68-Kilodalton Protective Protein Antigen from <i>Bordetella Bronchiseptica</i> ", <u>Infection and Immunity</u> , Vol. 47, No. 3, pp. 744-751, (1985)
10.	C.G. Mackintosh, et al., "The Use of a <i>Hardjo-Pomona</i> Vaccine to Prevent Leptospirosis in Cattle Exposed to Natural Challenge with <i>Leptospira Interrogans</i> Serovar <i>Hardjo</i> ", <u>New Zealand Veterinary Journal</u> , Vol. 28, pp. 174-177
11.	C.A. Bolin, DVM, PhD, et al., "Effect of Vaccination with a Pentavalent Leptospiral Vaccine on <i>Leptospira Interrogans</i> Serovar <i>Hardjo</i> Type <i>Hardjo-Bovis</i> Infection of Pregnant Cattle", <u>Am. J. Vet. Res.</u> , Vol. 50, No. 1, pp. 161-165, (1989)

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**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
16112 (PC25496A)

In Re Application Of: **Paul J. Dominowski, et al.**

Serial No.  
10/767,809

Filing Date  
January 29, 2004

Examiner  
Unassigned

Group Art Unit  
Unassigned

Title: **CANINE VACCINES AGAINST BORDETELLA BRONCHISEPTICA**

Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

**OR**

☐ the fee set forth in 37 CFR 1.17(p).

**-TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
16112 (PC25496A)

In Re Application: Paul J. Donohowski, et al.

Serial No.

10/767,809

Filing Date

January 29, 2004

Examiner

Unassigned

Group Art Unit

Unassigned

CANINE VACCINES AGAINST BORDETELLA BRONCHISEPTICA

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **19-1013/SSMP** as described below.
- ☐ Charge the amount of \_\_\_\_\_
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Signature of Person Mailing Correspondence

Peter I. Bernstein

Typed or Printed Name of Person Mailing Certificate

\*This certificate may only be used if paying by deposit account.

Signature

Dated: April 23, 2004

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